

PN - JP56003631 A 19810114
 TI - PLATINUM GROUP METAL RECOVERING METHOD
 FI - C22B11/04 ; C22B7/00 ; C22B7/00&A ; C02F1/70&A ; C02F1/70&A+CCU
 PA - SUMITOMO METAL MINING CO
 IN - TAMURA HIROYUKI MURAKAMI HARUO TAKAHASHI MITSUYOSHI
 AP - JP19790077527 19790621
 PR - JP19790077527 19790621
 DT - I

AN - 1981-18125D [25]
 TI - Recovery of platinum Gp. metals from copper electrolysing residues e - involves adding caustic alkali to soln., filtering, and adding organic reductant to filtrate
 AB - J56003631 Method for recovering platinum groups metals from a soln. of ammonia-including Pt gp. metal salt or complex cpd. of e.g. ammonium chloroplatinate or dichloridiamine palladium complex salt. The soln. has added to it a caustic alkali in an amt. more than 1.5 times mol. ratio to the ammonia content. It is heated to above 60 deg.C, stirred the ammonia removed, the resulting precipitate septd. and a reducing agent added to reduce and precipitate the Pt gp. metals.
 - The solution is frequently obtained as treating waste liquid for electrolytic slime of blister copper. The precipitated hydroxide is filtered in routine manner. The filtrate has added to it hydrazine, sodium formate formaldehyde or other organic reducing agent in an amt. 3-4 times equivalent to the amt. of Pt group metals in the filtrate. The Pt group metals are reduced and precipitated the remaining concentration being less than 0.03 g/l.
 IW - RECOVER PLATINUM GROUP METAL COPPER ELECTROLYTIC RESIDUE ADD CAUSTIC ALKALI SOLUTION FILTER ADD ORGANIC REDUCE FILTER
 PN - JP56003631 A 19810114 DW198111 000pp
 - JP57049617B B 19821022 DW198246 000pp
 IC - C02F1/70 ; C22B7/00 ; C22B11/04
 MC - M25-E M25-G20
 DC - M25
 PA - (SUMM) SUMITOMO METAL MINING CO
 PR - JP19790077527 19790621
 OPD - 1979-06-21
 ORD - 1981-01-14

PN - JP56003631 A 19810114
 TI - PLATINUM GROUP METAL RECOVERING METHOD
 AB - PURPOSE: To recover Pt group metals remaining in waste liquor by deammoniating the liquor contg. the metals recovered from electrolytic slime of crude copper, separating the resulting precipitate by filtration, and adding a reducing agent to the filtrate to reduction-precipitate the metals.
 - CONSTITUTION: An NaOH soln. is added to waste liquor contg. dissolved noble metals such as Pt, Pd and Rh and discharged from a process of treating anode slime produced by electrolytically refining copper, neutralizing free HCl. NaOH is then added in an amount of not less than 1.5 times as much as the total amount of NH₃ contained in the liquor by mol. The NaOH-added liquor is deammoniated by agitation at 60 deg.C or above for 25-30hr, and the resulting precipitate is separated by filtration. By adding a reducing agent such as hydrazine, sodium formate or Zn to the filtrate, the remaining Pt group metals such as Pt, Pd and Rh are reduced, precipitated, and recovered.
 I - C22B11/04
 PA - SUMITOMO METAL MINING CO LTD
 IN - TAMURA HIROYUKI; others: 02
 ABD - 19810408
 ABV - 005049
 GR - C049
 AP - JP19790077527 19790621